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SPECIFICATION:

Please amend the specification as follows:

On page 8, please replace the paragraph beginning at line 19 with the following amended paragraph:

The analog video signal 516 couples to the circuit 500 at the input terminal 501. The input terminal ~~502~~ 501 couples to a video sync separator 502 that separates the video signal 516 into a horizontal component 503 and a vertical component 504. An example of a suitable video sync separator is the LM1881 manufactured by National Semiconductor. The video sync separator 502 has an edged triggered vertical output. The circuit 500 utilizes this edge triggering to determine the precise start of each video screen sweep.

On page 9, please replace the paragraph beginning at line 11 with the following amended paragraph:

Timer 507 sets the vertical position of the box ~~is set by a timer 507~~, and a second timer 508 defines the length of the box. Potentiometer 511 is used to adjust vertical position, while potentiometer 510 adjusts the length of the box. The potentiometers correspond to user interface knobs on the threshold definition system. The horizontal position and width of the box are then coupled with the vertical position and width via a NAND gate 513 coupled to a bilateral switch 514.

On page 9, please replace the paragraph beginning at line 22 with the following amended paragraph:

Meanwhile, in parallel, the video signal 516 is fed into an audio amplifier 517, like the MAX453 audio amplifier manufactured by Maxim, for example. The amplified output 518 is coupled to a comparator 519 that compares the signal to an adjustable threshold 520 that corresponds to the luminous intensity of the amplified video signal 519. A timer 522 then latches

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the comparator output 521, holding the output for a single video sweep. A resistor 523 and capacitor 524 coupled to the timer 522 set this latch time. Thus, if the luminous intensity of the box changes from frame to frame, for example if a golf club head were to pass through the box, then the timer 522, by comparing the instant comparator output 521 to a latched value, would actuate a switch 525 that in turn actuates either an alarm or relay 526. The alarm or relay may then be reset with a mechanical switch 527.